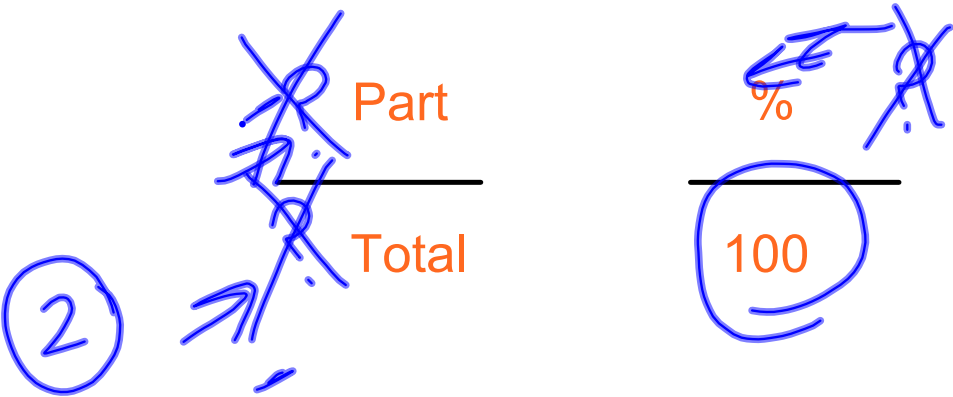
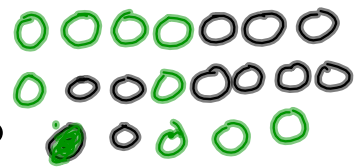




Bow Tie Method



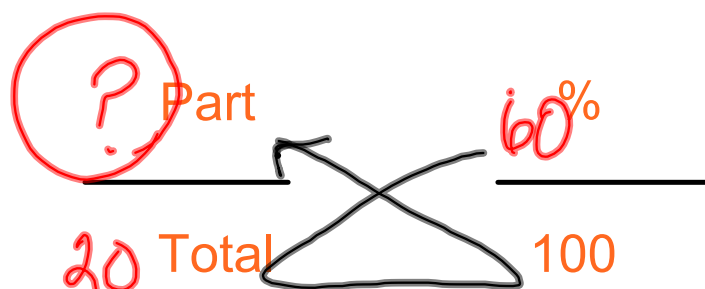
Last night Ms. Hopkins had sushi for dinner. She ate a Philadelphia Roll and a California Roll, which ^{totalled} 18 pieces. 10 pieces made up the California Roll. What percentage of Ms. Hopkins' sushi was the California Roll?



$$\begin{array}{r}
 \text{10 Part} \\
 \hline
 \checkmark 18 \times ? \text{ Total}
 \end{array}
 \rightarrow
 \begin{array}{r}
 ? \% \\
 \hline
 100
 \end{array}
 =
 \begin{array}{r}
 \text{55.5\%} \\
 \checkmark 4 \overline{) 18} \\
 \underline{8} \\
 10
 \end{array}$$

$10 \times 100 = 1,000$
 $18 \overline{) 1,000}$
 $\underline{90} $
 100
 $\underline{90}$
 10

There are 20 students in Ms. Hopkins' math class. 60 percent of the kids in her class are boys. How many kids are boys?



The cafeteria served 65 fifth graders pizza last week. That is 25% of the fifth graders buying lunch. How many students purchased lunch?

$$\frac{P}{T} = \frac{\%}{100}$$

260 students

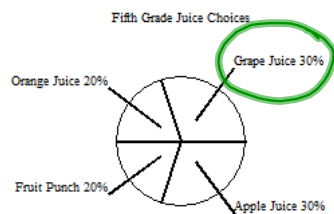
$$65 \times 100 = 6,500$$

$$\begin{array}{r} 260 \\ 25 \overline{) 6,500} \\ \underline{-50} \\ 150 \\ \underline{-150} \\ 00 \end{array}$$

65	Part		25%
<hr/>			<hr/>
(?)	Total		100

(A green triangle with an 'X' is drawn between the two fractions, indicating they are not set up as a proportion.)

3. A survey reported favorite types of juices for fifth grade students. The result of the survey is shown in the circle graph below.



← Same as word prob info!

If 10 students answered the survey, how many of them chose grape juice?

3 students

$$\frac{P}{T}$$

$$\frac{\%}{100}$$

$$\frac{?}{10} \rightarrow \frac{30}{100}$$

$$10 \times 30 = 300$$

$$300 \div 100 = 3$$

or

$$\begin{array}{r} ? \times 10 = 30 \\ \hline 10 \times 10 \quad 100 \end{array}$$